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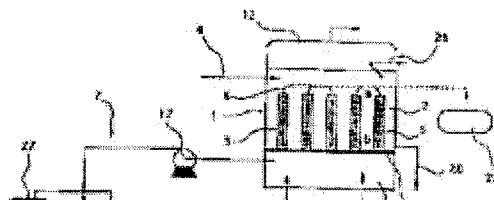
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(54) INSTALLATION FOR MAKING WATER POTABLE WITH SUBMERGED FILTERING  
MEMBRANE

(57)Abstract:

PURPOSE: To reduce the size of a water treatment installation by providing this installation with a reactor demarcating at least one treatment chamber, a plurality of filtering membranes which are arranged in the treatment chamber and are designed to be submerged into the water to be treated and an ozone-injection means.



CONSTITUTION: The installation for treating the water for the purpose of making the water potable is provided with a wall 9 dividing the inside of the reactor 1 to an upper water treatment chamber 2 and a lower chamber 10. A plurality of filter modules 3 which are respectively housed in sheaths 5 and consist of hollow fiber bundles respectively are supported at this wall 9. The raw water is supplied by an introducing means 4 to the upper water treatment chamber 2. The recovery and destruction of the residual ozone out of the ozone injected by the ozone-injection means 6 are executed in a hood disposed above the reactor 1. The permeate past the filter modules 3 is gathered in the lower chamber 10 and is recovered by a permeate recovering means including a suction pump 17 and a permeate storage vessel 26. The permeate in the vessel 26 is reinjected into the lower chamber 10 by a back wash pump 18 at the time of the regeneration of the filter modules.